

INTERNATIONAL SEARCH REPORT

 International Application No.
 PCT/JP03/16522

 A. CLASSIFICATION OF SUBJECT MATTER
 Int.Cl⁷ H04L12/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 Int.Cl⁷ H04L12/42

 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 60-004348 A (Hitachi, Ltd.), 10 January, 1985 (10.01.85),	1-6, 8-14, 16-22
Y	Page 2, lower right column, line 3 to page 3, upper right column, line 15; Figs. 1, 2 (Family: none)	7, 15, 23
Y	JP 2000-092020 A (Matsushita Electric Industrial Co., Ltd.), 31 March, 2000 (31.03.00), Par. No. [0008]; Fig. 4 (Family: none)	7, 15, 23
A	WO 02/30078 A1 (Matsushita Electric Industrial Co., Ltd.), 11 April, 2002 (11.04.02), Claim 1; Fig. 7 (Family: none)	1-23

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not
 considered to be of particular relevance
 "E" earlier document but published on or after the international filing
 date
 "L" document which may throw doubts on priority claim(s) or which is
 cited to establish the publication date of another citation or other
 special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other
 means
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 priority date and not in conflict with the application but cited to
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 "X" document of particular relevance; the claimed invention cannot be
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 step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be
 considered to involve an inventive step when the document is
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 combination being obvious to a person skilled in the art
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 Date of the actual completion of the international search
 03 March, 2004 (03.03.04)

 Date of mailing of the international search report
 16 March, 2004 (16.03.04)

 Name and mailing address of the ISA/
 Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

C (続き) . 関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
Y	JP 2000-092020 A (松下電器産業株式会社) 2000.03.31, 【0008】, 図4 (ファミリーなし)	7, 15, 23
A	WO 02/30078 A1 (松下電器産業株式会社) 2002.04.11, 請求の範囲1, 図7 (ファミリーなし)	1-23